

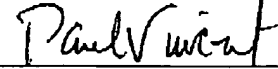
## Remarks

The Examiner has objected to the specification as lacking US patent headings such as " background of the invention, brief description of the drawings" etc. and has required appropriate correction. In response thereto, the Examiner's attention is directed to the preliminary amendment filed along with the request for nationalization of this PCT application on March 23<sup>rd</sup>, 2006. A copy of that preliminary amendment extracted from the US PTO image file record is included as an appendix to this amendment for the convenience of the Examiner. In particular, that amendment indicates inclusion of the proper headings in the form of amendment to the specification. Apparently, the amendment was only entered in part, since claims 1 through 14 have been cancelled and new claims 15 through 26 have been entered. The Examiner is therefore respectfully requested to examine the portion of the preliminary amendment which is not entered and to enter the non-entered portion in accordance with US PTO practice.

The Examiner has allowed claims 15 through 25 but has rejected claim 26 under 35 USC 102(b) as being anticipated by Haas '540. In response to this rejection, the Applicant has cancelled claim 26. Passage to issuance is therefore requested.

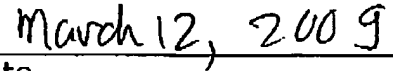
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Respectfully submitted,



Dr. Paul Vincent

Registration number 37,461



Date

Enclosures: Preliminary amendment as previously filed

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PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	HAAS, Rainer	) Examiner:
PCT Application No.:	PCT/EP2005/009038	) unknown
PCT Filing Date:	August 22, 2005	) Art Unit:
For:	DEVICE AND METHOD FOR THE	) unknown
	PRODUCTION OF A POWDER-AIR	)
	MIXTURE	)

Atty. Docket No.: 4651 0109US

MAIL STOP PCT

Commissioner for Patents

Alexandria, VA 22313-1450

U.S.A.

## PRELIMINARY AMENDMENT

Please enter this amendment prior to calculation of the filing fees.

This amendment is based on the translation of the application as filed.

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On page 1, between the title and the first paragraph replace  
"Description" with --

This application is the national stage of PCT/EP2005/009038 filed  
on August 22, 2005 and also claims Paris Convention priority of DE  
10 2004 043 411.5 filed on September 02, 2004.

BACKGROUND OF THE INVENTION --.

On page 2, insert as a title prior to the third full paragraph

-- SUMMARY OF THE INVENTION --.

On page 4 insert as a title prior to the brief description of the drawing --

BRIEF DESCRIPTION OF THE DRAWING --.

On page 5 insert as a title following the brief description of the drawing  
--

DESCRIPTION OF THE PREFERRED EMBODIMENT --.

On page 7 replace as a title on line one "Claims" with

-- I CLAIM: --

**CLAIM AMENDMENTS:**

1 to 14 cancelled

15. (new) A device for generating a homogeneous powder-air mixture, the device comprising:

an intake region for powder, said intake region surrounded by pressurized air forming an enveloping jet;  
a pressure section adjacent to and downstream of said intake region, said pressure section extending in an axial direction;  
a suction section, extending in a radial direction and having openings communicating with surroundings of the device, wherein said pressure section feeds into said suction section in an orthogonal direction and in an ejector-like manner, with said suction section completely surrounding said pressure section; and  
an outlet region disposed immediately downstream of said suction section.

16. (new) The device of claim 15, wherein said intake region carries an inhomogeneous powder-air pre-mixture which terminates in said pressure section.

17. (new) The device of claim 15, wherein said suction section carries ambient air.

18. (new) The device of claim 15, wherein said pressure section is jacketed by said suction section.

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19. (new) The device of claim 15, wherein said suction section has several suction passages or openings that feed to the surroundings.
20. (new) The device of claim 19, wherein said suction passages or openings are uniformly distributed about a periphery of said suction section.
21. (new) The device of claim 19, wherein said suction passages or openings are disposed in a radial direction.
22. (new) The device of claim 19, wherein said suction passages or openings are at an angle with respect to a radial direction.
23. (new) The device of claim 15, wherein said outlet has a cylindrical design.
24. (new) The device of claim 15, wherein said suction section conically tapers in a flow direction.
25. (new) The device of claim 15, further comprising an upstream mixer generating a powder-compressed air mixture and having an outlet terminating in said suction section.
26. (new) A method for generating a homogeneous powder-air mixture, the method comprising the steps of:
  - a) blowing a pressurized, inhomogeneous powder-air pre-mixture into a suction section, thereby suctioning in ambient air;
  - b) feeding ambient air into the powder-air mixture orthogonal to a flow direction thereof; and

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c) mixing the pre-mixture of powder and air with the ambient air in an outlet region to form a homogeneous powder-air pre-mixture.

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## Remarks

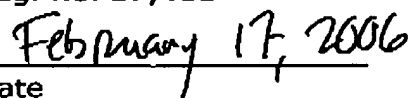
The amendments have been taken to adapt this application to United States practice. No new matter has been added.



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